My NASA Data - STEM Career Connections

SCIENCE: Botanists and Plant Scientists

Sphere(s)

- Atmosphere
- Biosphere
- Geosphere
- Hydrosphere
- Earth as a System

Phenomena

- Land surface/Land Use Change
- Deforestation
- El Nino Southern Oscillation
- CO2 Concentrations
- Land Use
- Plant Growth Patterns

Related Links

- TECHNOLOGY: Remote Sensing Specialist
- ENGINEERING: Environmental Engineering
- Meet Janine Pollack, NASA Environmental Engineer
- Meet Dr. Assaf Anyamba
- Meet James Smith, Biosphere Research Scientist

Work Description

Botanists research plant characteristics like their physiological processes, their evolutionary history, resistance to disease, relationships to other parts of the Biosphere and within the Earth System.

Many botanists work in different locations; some may work indoors in laboratories and offices conducting experiments while others may work in agriculture and spend much of their time outdoors. Some botanists may also discover new plant species and share their learning with the public through tours and events.
Why is this job Important?

Botanists make discoveries and develop solutions that result in new medicines, new types of crop cultivation, and new understandings of the importance of plants in our world. When they share information about the plant world with the public, they encourage a deeper appreciation of the natural world.

Salary Range

$50,000 - $75,000

NASA Connections

NASA Job Title Examples:

- Biological Sciences
- Microbiology
- Botanist
- Plant Physiologist

NASA Career Links:

- NASA Careers [Link]
- NASA Internships & Fellowships Pathways [Link]
- NASA Student Volunteer Program [Link]
- Working for NASA [Link]

Related Fields

- Taxonomist [Link]
- Agronomist [Link]
- Ecologist [Link]
- Mycologist [Link]
- Plant Breeder [Link]
- Horticulturist [Link]
- Biophysicist [Link]